

Amendment to the Claims

1-31. Canceled.

32. (Original) A method of making a tool holder, comprising:

tangentially milling at least one antirotation stop and an insert pocket in the tool holder, wherein the antirotation stop comprises at least two substantially planar surfaces.

33. (Original) The method of claim 20, further comprising:

tangentially milling a top surface of the pocket with a ball mill.

34. (Original) A cutting tool, comprising:

a cutting tool holder comprising

at least one insert pocket in the tool holder; and

at least one antirotation stop corresponding to at least one said insert pocket, wherein the antirotation stop comprises at least two substantially planar surfaces; and

a cutting insert configured for installation in the insert pocket, the cutting insert comprising

a top surface comprising a cutting edge;

a bottom surface;

a circular side wall between the top surface and the bottom surface; and

at least one recess through both the bottom surface and the circular side wall, wherein the recess at least partially defined by a portion of a sphere.

35. (Original) The cutting tool of claim 34, wherein the antirotation stop comprises three substantially planar surfaces.
36. (Original) The cutting tool of claim 35, wherein the pocket further comprises a bottom surface and the three substantially planar surfaces are substantially perpendicular to the bottom surface.
37. (Original) The cutting tool of claim 36, wherein the antirotation stop is integral to both the bottom surface and a side surface of the insert pocket.
38. (Original) The cutting tool of claim 34, wherein each of the insert pockets comprises a side wall for engaging the cutting insert.
39. (Original) The cutting tool of claim 34, wherein the cutting tool holder comprises one to two antirotation stops.
40. (Original) The cutting tool of claim 34, wherein the antirotation stop indexes a cutting insert.
41. (Original) The cutting tool of claim 34, wherein the cutting tool holder comprises from one to twenty insert pockets.
42. (Original) The cutting tool of claim 34, wherein the antirotation stop protrudes from a side wall of the pocket.
43. (Original) The cutting tool of claim 34, wherein the cutting insert is secured in the pocket.
44. (Original) The cutting tool of claim 43, wherein the antirotation stop at least partially extends in the recess in the indexable cutting insert.
45. (Original) The cutting tool of claim 44, wherein the shape of the antirotation stop and the shape of the recess are non-complementary.

46. (Original) The cutting tool of claim 45, wherein the insert is a round shaped insert.
47. (Original) The cutting tool of claim 34, wherein the insert is a round shaped insert.
48. (Original) A cutting tool holder, comprising:
 - at least one insert pocket in the tool holder, wherein the insert pocket comprises a sidewall and a bottom surface;
 - an antirotation stop protruding from the side wall and the bottom surface of the insert pocket, wherein the antirotation stop comprises at least two substantially planar surfaces and a concave top surface, wherein a portion of the concave surface is in the shape of a portion of a sphere.
49. (Original) The cutting tool holder of claim 48, further comprising:
 - a cutting insert in the insert pocket, wherein the cutting insert comprises a recess having a shape that is non-complementary to the shape of the antirotation stop and at least one of tungsten based carbide or cermet.
50. (Original) The cutting tool holder of claim 49, wherein the cutting insert is a round shaped insert.
51. (Original) The cutting tool holder of claim 50, wherein the antirotation stop comprises three substantially planar surfaces.
52. (Original) The cutting tool holder of claim 51, wherein the three substantially planar surfaces are substantially perpendicular to the bottom surface.

53. (Original) The cutting tool holder of claim 50, wherein the antirotation stop is integral to the bottom surface and a side surface of the insert pocket.
54. (Original) The cutting tool holder of claim 53, wherein the side wall engages the insert.
55. (Original) The cutting tool holder of claim 50, comprising one to two antirotation stops.
56. (Original) The cutting tool holder of claim 50, wherein the antirotation stop indexes the cutting insert.
57. (Original) The cutting tool holder of claim 56, comprising from one to twenty insert pockets.
58. (Original) The cutting tool holder of claim 57, wherein the recess is partially defined by a portion of a sphere.
59. (Original) The cutting tool holder of claim 50, wherein the antirotation stop protrudes from the side wall of the pocket and that recess is in a side wall of the cutting insert.
60. (Original) The cutting tool holder of claim 50, wherein the antirotation stop protrudes from the bottom surface of the pocket and that recess is in a bottom surface of the cutting insert.
61. (Original) The cutting tool of claim 34, wherein the antirotation stop and the recess engage by a point contact.
62. (Original) The cutting tool of claim 61, wherein the antirotation stop engages the recess at a point defined by the portion of a sphere.

63. (Original) The cutting tool of claim 34, wherein the antirotation stop comprises at least two substantially planar surfaces and a concave portion defined by portion of a sphere.